

OIL ANALYSIS REPORT

NORMAL

Machine Id 10482

Component **Diesel Engine**

Fluic

PETRO CANADA DURON SHP 15W40 (13 G.

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

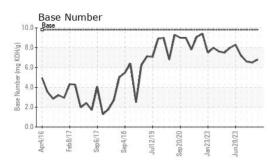
Fluid Condition

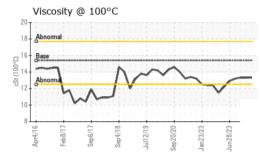
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info		GFL0094321 28 Sep 2023 1544 589 Changed NORMAL	GFL0091432 12 Sep 2023 1382 427 Not Changd NORMAL	GFL0091398 01 Sep 2023 1280 325 Not Changd NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2		
Fuel Glycol		WC Method WC Method	>5	<1.0 NEG	<1.0 NEG	<1.0 NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2		
Iron Chromium Nickel Titanium Silver Aluminum Lead	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>4 >3 >20	68 2 <1 <1 0 8 <1	64 2 0 0 0 10 <1	60 1 0 <1 0 8 0		
Copper Tin Vanadium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>330	5 <1 0	5 <1 <1	4 0 <1		
	ppm	ASTM D5185m	1	0	O	0		
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 4	history1 6	history2 5		
Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	0 60 0	0 63 <1	0 64 <1	0 61 <1		
Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1010 1070 1150	787 1048 921	847 1179 940	803 1164 902		
Zinc Sulfur CONTAMINAN	ppm ppm	ASTM D5185m Method	1270 2060 limit/base	1154 2533 current	1203 3146 history1	1162 3003 history2		
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	11 24 2	10 24 2	9 26 1		
INFRA-RED		method	limit/base	current	history1	history2		
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20 >30	2.4 10.4 23.0	2.2 9.9 22.4	2.3 10.1 22.0		
FLUID DEGRA			limit/base		history1	history2		
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.8	15.2 6.8	13.9 6.5	14.2 6.6		



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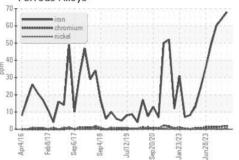


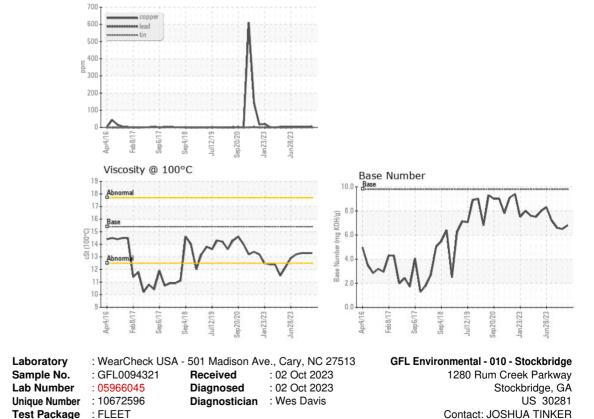


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.3	13.3	13.3
GRAPHS						

Ferrous Alloys

Non-ferrous Metals







 Certificate L2367
 Test Package
 : FLEET

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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